



[Home](#) | [Search](#) | [Order](#) | [Shopping Cart](#) | [Login](#) | [Site Map](#) | [Help](#)



JP62086851A2: LASER TRIMMING APPARATUS

[View Images \(1 pages\)](#)

Country: JP Japan

Kind:

Inventor(s): KUNIHIRA MAMORU

Applicant(s): NEC CORP
[News, Profiles, Stocks and More about this company](#)

Issued/Filed Dates: April 21, 1987 / Oct. 14, 1985

Application Number: JP1985000228100

IPC Class: H01L 27/01; H01C 17/22

Abstract: **Purpose:** To prevent the insulation of an element to be trimmed from deteriorating by removing a laser light of a laser of power more than required by a shutter, and then operating a pulse light of normal power onto a substrate to trim it.
Constitution: A laser trimming apparatus has a laser oscillator 1, a shutter 4 for shielding the pulse light 2 of a laser provided in the midway of a laser light passage to a beam positioner, a shutter controller 5 for telescoping the shutter 4 on the pulse optical axis of the laser, and a laser controller 6. When trimming, the shutter 4 mounted in the controller 5 is controlled by a control signal from the controller 6, the pulse light 2 of the laser from the oscillator 1 is shielded at the order counted several pulses from the initial pulse light from the start of emitting to a substrate 7 first in the state that the shutter 4 is closed, the shutter 4 is opened by a control signal from the controller 6, and the light 2 is emitted onto the substrate 7 for trimming.
 COPYRIGHT: (C)1987, JPO&Japio

Other Abstract Info: none

Foreign References: (No patents reference this one)



[Nominate this invention for the Gallery...](#)

Alternative Searches

[Patent Number](#) [Boolean Text](#) [Advanced Text](#)

Browse

[U.S. Class by title](#) [U.S. Class by number](#) [IBM Technical Disclosure Bulletin](#)

[Privacy](#) | [Legal](#) | [Gallery](#) | [IP Pages](#) | [Advertising](#) | [FAQ](#) | [Contact Us](#)